

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/686,830	10/11/2000	Antonius A.M. Staring	US000250	5773
24737	7590	08/25/2004	EXAMINER	
PHILIPS INTELLECTUAL PROPERTY & STANDARDS P.O. BOX 3001 BRIARCLIFF MANOR, NY 10510			MCARDLE, JOSEPH M	
			ART UNIT	PAPER NUMBER
			2132	

DATE MAILED: 08/25/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/686,830

Applicant(s)

STARING, ANTONIUS A.M.

Examiner

Joseph McArdle

Art Unit

2132

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 October 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 26 January 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 20040819.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

2. Claims 1-14 are rejected under 35 U.S.C. 102(a) as being anticipated by EP 0,930,556 by Teruyoshi Komuro, hereinafter referred to as Komuro. In regards to claims 1, 13 and 14 Komuro discloses a design that pertains to a method for processing information. Komuro further discloses in paragraph 92 on page 11 how each entity maintains an identification number table (connection device ID table) that stores device IDs of the entities that have transferred data to each other (i.e. entities that have attempted communication with one another). This disclosure meets the limitation set forth under claims 1, 13 and 14 that calls for allowing an entity to maintain a contact list comprising information identifying one or more entities that have attempted to communicate with the given entity. Komuro further discloses in paragraphs 97 and 98 on page 12 how the connection device ID table stores the devices IDs of other entities according to how recent the connection was made (i.e. the most recently connected device IDs are stored at the bottom of the list and the older ones are stored at the top). This disclosure meets the limitations set forth under claims 1, 13 and 14 that call

Art Unit: 2132

for allowing at least a subset of the entities to maintain a contact count indicative of the times other entities have attempted to communicate with the given entity. Komuro then goes on to disclose in paragraph 88 on page 11 how a revocation list is employed and lists the device IDs of illegal devices/entities. Komuro further discloses in paragraph 84 on page 11 a comparison means for comparing the device IDs contained within the entity's connection device ID table to the device IDs contained in the revocation list for the purpose of determining what devices or entities are or are not allowed to communicate with each other. This disclosure meets the limitations set forth under claims 1, 13 and 14 that call for utilizing the contact list (connection device ID table) in conjunction with a revocation list to determine which entities are allowed to communicate with the given entity. Komuro further discloses in paragraph 98 on page 12 that when a device/entity is attempting to communicate with another device/entity for the first time (i.e. a new device not already on the connection device ID table) and it is determined not to be on the revocation list, the device ID will be added to the bottom of the connection device ID table. If the connection device ID table is full then room will be made for the new device ID by removing the oldest device ID from the connection device ID table. This disclosure by Komuro meets the remaining limitations set forth under claims 1, 13 and 14 that call for updating the contact list to include a new entity not on the revocation list and making room on the contact list by removing from the contact list an entity selected based at least in part on its corresponding contact count.

Art Unit: 2132

3. In regards to claim 2, Komuro discloses in paragraph 3 on page 2 and in Fig. 1 now the information processing system employs the use of processing devices such as personal computers and DVD players. This disclosure meets the exact limitations set forth under claim 2 that call for allowing an entity to be comprised of a consumer electronics device.

4. In regards to claim 3, the aforementioned rejection of claim 1 describes how connection device ID tables are maintained and utilized by the devices/entities to control what devices/entities are capable of accessing others. This disclosure meets the limitations set forth under claim 3 that call for allowing the maintaining and utilizing steps to be implemented in an access control system associated with the given entity.

5. In regards to claim 4, Komuro discloses in paragraph 95 and in Fig. 12 how a device's connection device ID table can be modified with flags according to the device IDs contained on the revocation list to act as a local revocation list for that device. This disclosure meets the limitations set forth under claim 4 that call for allowing the revocation list to comprise a local revocation list stored in the access control system.

6. In regards to claim 5, Komuro discloses in paragraph 99 on page 12 that when a device receives a new revocation list it then checks its connection device ID table for matching entries and modifies the device IDs in the table to include flags indicative of device IDs that are also listed on the revocation list. This disclosure meets the limitations set forth under claim 5 that call for updating the contact list (connection device ID table) after a modification to the revocation list.

Art Unit: 2132

7. In regards to claim 6, Komuro discloses, as discussed in the aforementioned rejection of claim 6, how the connection device ID table is updated to reflect a new revocation list. Komuro then goes on to disclose in paragraph 100 on page 12 how device IDs from the connection device ID table that are found to be on the revocation list can be removed to make room for newly connecting devices/entities. This disclosure meets the limitations set forth under claim 6 that call for updating the contact list (connection device ID table) by identifying all entities that are also contained on the revocation list and subsequently removing them from the contact list.

8. In regards to claim 7, Komuro discloses in paragraph 98 on page 12 that when a device is attempting to communicate with another device for the first time (i.e. a new device not already on the connection device ID table) then the device will be added to the bottom of the connection device ID table. This disclosure meets the limitations set forth under claim 7 that call for updating the contact list (connection device ID table) if a new entity not already on the list attempts to communicate with the given entity.

9. In regards to claim 8, Komuro further discloses in paragraph 98 on page 12 that when a device/entity is attempting to communicate with another device/entity for the first time (i.e. a new device not already on the connection device ID table) and it is determined not to be on the revocation list, the device ID will be added to the bottom of the connection device ID table. If the connection device ID table is full then room will be made for the new device ID by removing the oldest device ID from the connection device ID table. This disclosure meets

Art Unit: 2132

the limitations set forth under claim 8 that call for determining if a new entity is on the revocation list and storing an identifier (device ID) for the entity if there is sufficient space available. This disclosure also meets the limitations that call for terminating communications with a new entity if it is on the revocation list because in Komuro's design, if an entity is on the revocation list then all communications with that entity are terminated.

10. In regards to claim 9, Komuro discloses in paragraph 98 on page 12 how device IDs are added to the bottom of the connection device ID table and if the table is full then room will be made for the new device ID by removing the oldest device ID from (the device that connected the longest time ago) from the connection device ID table. This disclosure meets the limitations set forth under claim 9 that call for removing the entity from the contact list that has the lowest contact count because in Komuro's design the device/entity that has made contact the longest time ago is chosen for removal.

11. In regards to claims 10 and 11, Komuro discloses in paragraphs 83 and 88 on page 11 how digital signatures can be applied to revocation lists/communication device ID tables wherein the list is updated. This disclosure meets the limitations set forth under claims 10 and 11 that call for generating digital signatures for at least a portion of the contact list each time that it is updated/changed.

12. In regards to claim 12, Komuro discloses in paragraph 92 on page 11 how each entity maintains an identification number table (connection device ID table) that stores device IDs of the entities that have transferred data to each other (i.e.

Art Unit: 2132

entities that have attempted communication with one another). This disclosure meets the limitation set forth under claim 12 that calls for allowing an entity to maintain a contact list comprising information identifying one or more entities that have attempted to communicate with the given entity.

Conclusion

13. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- (1) U.S. Patent No. 5173939 (Abadi et al.)
- (2) U.S. Patent No. 6092201 (Turnbull et al.)
- (3) U.S. Patent No. 5265221 (Miller)
- (4) U.S. Patent No. 5701458 (Bsaibes et al.)
- (5) U.S. Patent No. 5745574 (Muftic)

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph McArdle whose telephone number is (703) 305-7515. The examiner can normally be reached on Weekdays from 8:00 am - 5:00pm.

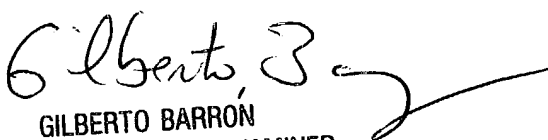
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on (703) 305-1830. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2132

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Joseph McArdle
Examiner
Art Unit 2132

jmm


GILBERTO BARRÓN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100